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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/706,606	11/12/2003	Richard J. Morris	1915.34US02	5857
24113	7590	04/27/2005	EXAMINER	
PATTERSON, THUENTE, SKAAR & CHRISTENSEN, P.A.			CANFIELD, ROBERT	
4800 IDS CENTER			ART UNIT	
80 SOUTH 8TH STREET			PAPER NUMBER	
MINNEAPOLIS, MN 55402-2100			3635	

DATE MAILED: 04/27/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Wk

<b>Supplemental Notice of Allowability</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	10/706,606	MORRIS ET AL.	
	<b>Examiner</b>	<b>Art Unit</b>	
	Robert J Canfield	3635	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**  
 All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 04/19/05 telephonic interview.
2. ☒ The allowed claim(s) is/are 1,3-17,19,22-25 and 27-35.
3. ☒ The drawings filed on 12 November 2003 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All    b) ☐ Some\*    c) ☐ None    of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
  - \* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
  - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
    - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
  - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |  |   |
|--|---|
| <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> Notice of References Cited (PTO-892)</li> <li>2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)</li> <li>3. <input checked="" type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),<br/>Paper No./Mail Date 4/22/04</li> <li>4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br/>of Biological Material</li> </ol> | <ol style="list-style-type: none"> <li>5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)</li> <li>6. <input type="checkbox"/> Interview Summary (PTO-413),<br/>Paper No./Mail Date _____</li> <li>7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment</li> <li>8. <input type="checkbox"/> Examiner's Statement of Reasons for Allowance</li> <li>9. <input checked="" type="checkbox"/> Other <u>copy of amended claim set</u>.</li> </ol> |
|--|---|

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Bradley Thorson on 04/19/05.

The application has been amended as attached.

2. The claims originally filed 11/02/03 contained duplicate claims 25. In accordance with 37 CFR 1.126 the claims have been renumbered 26-40 beginning with the second claim 25.

Claims 22 and 23 depended from canceled claim 20. The dependency is amended such that the claims depend from claim 19.

Claim 26 (originally present as the second claim 25) has been canceled by amendment.

Claims 36-40 (originally present as claims 35-39) have been canceled as authorized by Bradley Thorson on 10/27/04.

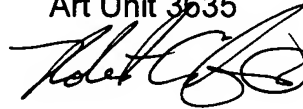
3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Robert J Canfield whose telephone number is 571-272-6440. The examiner can normally be reached on M-Th.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Carl Friedman can be reached on 571-272-6842. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Robert J Canfield  
Primary Examiner  
Art Unit 3635



04/19/05

## EXAMINER'S AMENDMENT

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AMENDMENTS TO THE CLAIMS

A detailed listing of all claims that are, or were, in the present application, irrespective of whether the claim(s) remains under examination in the application are presented below. The claims are presented in ascending order and each includes one status identifier. Those claims not cancelled or withdrawn but amended by the current amendment utilize the following notations for amendment: 1. deleted matter is shown by strikethrough for six or more characters and double brackets for five or less characters; and 2. added matter is shown by underlining.

## 1. (Currently Amended) A wall system for a structure, the system comprising:

a structural frame presenting an exterior side and an interior side; and

first and second envelope layers on the exterior side of the structural frame, the first and second envelope layers being spaced apart by a plurality of furring strips, each furring strip of the plurality of furring strips including at least one layer comprising a generally planar first ply and a second ply, the first and second plies cooperating to define a multiplicity of passages extending generally transversely to a longitudinal axis of the furring strip, the plurality of furring strips arranged so as to define a plurality of enclosed cavities between the first and second envelope layers, each cavity being fluidly coupled to at least one adjacent cavity through the passages in one of the plurality of furring strips, at least one of the cavities being fluidly coupled with the outdoor atmosphere through the passages in one of the plurality of furring strips.

## 2. (Cancelled)

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3. (Original) The wall system of claim 1, wherein at least one of the first and second envelope layers comprises sheathing.
4. (Original) The wall system of claim 1, wherein at least one of the first and second envelope layers comprises finish siding.
5. (Original) The wall system of claim 1, wherein the second ply of each furring strip of the plurality of furring strips is generally convoluted.
6. (Original) The wall system of claim 5, wherein each furring strip of the plurality of furring strips has at least a pair of first plies.
7. (Original) The wall system of claim 6, wherein the second ply of each furring strip of the plurality of furring strips includes a multiplicity of cross-ply extending between the first plies.
8. (Original) The wall system of claim 5, wherein each furring strip of the plurality of furring strips has a plurality of layers.
9. (Original) The wall system of claim 8, wherein adjacent layers of the plurality of layers are hingably connected at a hingeline extending generally parallel to the longitudinal axis of the furring strip.

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10. (Original) The wall system of claim 9, wherein the hingeline of the furring strip is defined by a slice extending through the second ply and one of the first plies of the furring strip.

11. (Original) The wall system of claim 9, wherein the furring strip has first and second hingelines, the first hingeline defined by a first slice extending through one of the first plies and the second ply, and the second hingeline defined by a second slice extending through the other of the first plies and the second ply.

12. (Original) The wall system of claim 9, wherein the hingeline of the furring strip is defined by alternate severed and intact portions, the severed portions comprising substantially severed first and second plies, the intact portions comprising substantially intact first and second plies.

13. (Original) The wall system of claim 8, wherein the layers of the furring strip are stacked and fastened together.

14. (Original) The wall system of claim 13, wherein the furring strip further comprises means for fastening the layers together.

15. (Original) The wall system of claim 13, wherein the layers of the furring strip are fastened together by stitching.

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16. (Original) The wall system of claim 13, wherein the layers of the furring strip are fastened together by fasteners selected from the group consisting of staples, glue, hot air welding, stitching, ultrasonic welding, infrared bonding, and any combination thereof.

17. (Currently Amended) A method of constructing a ventilated wall system for a structure, the method comprising the steps of:

operably disposing a first envelope layer on a structural frame defining the structure;

forming a plurality of elongate furring strips, each furring strip having a pair of opposing sides and comprising at least one layer of a material having first and second plies defining a multiplicity of air passages therethrough, the air passages extending generally transversely to the sides of the furring strip;

affixing the plurality of furring strips on the first envelope layer so that the furring strips and the first envelope layer define a plurality of recesses; and

enclosing the recesses with a second envelope layer disposed over the plurality of furring strips, each enclosed recess being fluidly coupled to at least one adjacent recess through the air passages of at least one of the plurality of furring strips, at least one of the plurality of furring strips being disposed so that the air passages connect at least one of the enclosed recesses with the outdoor atmosphere.

18. (Cancelled)



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19. (Currently Amended) A wall system for a structure, the system comprising:

a structural frame presenting an exterior side and an interior side; and

first and second envelope layers on the exterior side of the structural frame, the first and second envelope layers being spaced apart by a plurality of elongate furring strips, each furring strip having a pair of opposing sides, the furring strips spaced apart so as to define a plurality of separate cavities between the first and second envelope layers, each furring strip ~~having means~~ including a multiplicity of air passages extending between the opposing sides of the furring strip for fluidly coupling cavities adjacent each of the opposing sides of the furring strip, at least one of the cavities being fluidly coupled with the outdoor atmosphere through the air passages in one of the plurality of furring strips.

20-21. (Cancelled)

19  
22. (Original) The wall system of claim 20, wherein the air passages extend generally transversely to a longitudinal axis of the furring strip.

19  
23. (Original) The wall system of claim 20, wherein each furring strip includes at least one layer comprising a generally planar first ply and a second ply, the first and second plies cooperating to define the multiplicity of air passages.

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24. (Original) The wall system of claim 23, wherein the second ply is generally convoluted.

25. (Original) The wall system of claim 24, wherein the furring strip has at least a pair of first plies.

*Renumbered  
Rule 1.126*  
*PC*  
<sup>26</sup>  
~~25~~. (Cancelled)

<sup>27</sup>  
~~26~~. (Original) The wall system of claim 24, wherein the furring strip has a plurality of layers.

<sup>28</sup>  
<sup>27</sup>  
~~27~~. (Original) The wall system of claim ~~26~~, wherein adjacent layers of the plurality of layers are hingably connected at a hingeline extending generally parallel to the longitudinal axis of the furring strip.

<sup>29</sup>  
<sup>28</sup>  
~~28~~. (Original) The wall system of claim ~~27~~, wherein the hingeline of the furring strip is defined by a slice extending through the second ply and one of the first plies of the furring strip.

<sup>30</sup>  
<sup>28</sup>  
~~29~~. (Original) The wall system of claim ~~27~~, wherein the furring strip has first and second hingelines, the first hingeline defined by a first slice extending through one of the first plies and the second ply, and the second hingeline defined by a second slice extending through the other of the first plies and the second ply.

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<sup>31</sup>  
30. (Original) The wall system of claim <sup>28</sup>27, wherein the hingeline of the furring strip is defined by alternate severed and intact portions, the severed portions comprising substantially severed first and second plies, the intact portions comprising substantially intact first and second plies.

<sup>32</sup>  
31. (Original) The wall system of claim <sup>27</sup>26, wherein the layers of the furring strip are stacked and fastened together.

<sup>33</sup>  
32. (Original) The wall system of claim <sup>32</sup>31, wherein the furring strip further comprises means for fastening the layers together.

<sup>34</sup>  
33. (Original) The wall system of claim <sup>32</sup>31, wherein the layers of the furring strip are fastened together by stitching.

<sup>35</sup>  
34. (Original) The wall system of claim <sup>32</sup>31, wherein the layers of the furring strip are fastened together by fasteners selected from the group consisting of staples, glue, hot air welding, stitching, ultrasonic welding, infrared bonding, and any combination thereof.

<sup>36</sup> canceled  
35. (Original) A method of ventilating an interstitial space in a wall of a structure comprising the steps of:

forming at least one elongate furring strip, the furring strip having a pair of opposing sides and comprising at least one layer of a material having first and

CLAIMS  
35-40  
Canceled  
By EXAMINER'S  
AMENDMENT  
11/9/04

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second plies defining a multiplicity of air passages therethrough, the air passages extending generally transversely to the sides of the furring strip; and disposing the furring strip in the interstitial space of the wall so that the air passages fluidly couple the interstitial space with the outdoor atmosphere.

<sup>37</sup> ~~36~~ <sup>36</sup> canceled  
36. (Original) The method of claim 35, wherein the step of forming the furring strip includes forming the material with at least a pair of first plies.

<sup>38</sup> ~~37~~ <sup>37</sup> canceled  
37. (Currently Amended) The method of claim 36, wherein the step of forming the furring strip includes ~~includes~~ forming the material with the second ply including a multiplicity of cross-plies extending between the first plies.

<sup>39</sup> ~~38~~ <sup>36</sup> canceled  
38. (Original) The method of claim 35, wherein the step of forming the furring strip includes forming the material with a plurality of layers.

<sup>40</sup> ~~39~~ <sup>39</sup> canceled  
39. (Original) The method of claim 38, wherein the step of forming the furring strip includes stacking and fastening together the layers.